

FIG. 1
PRIOR ART

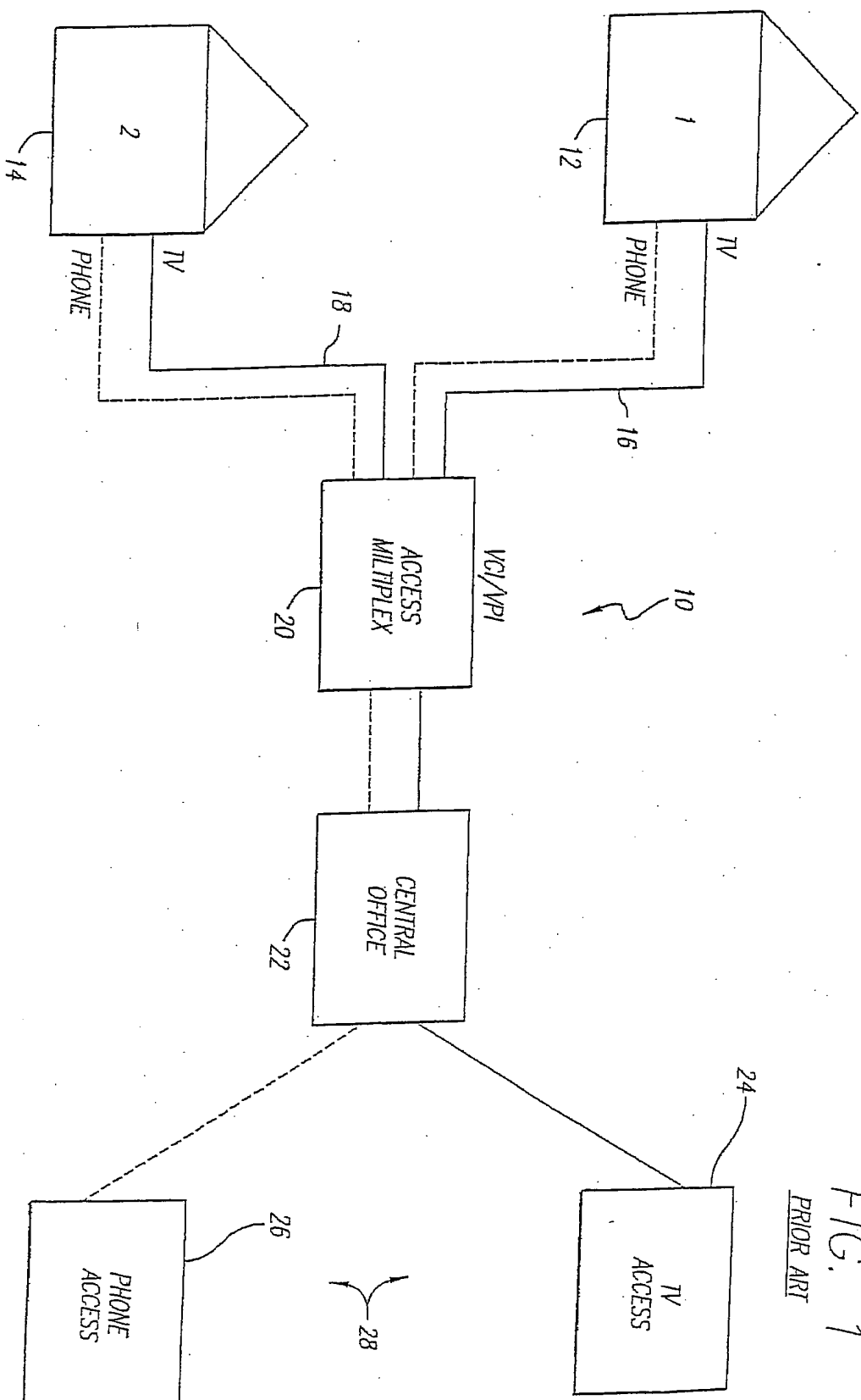
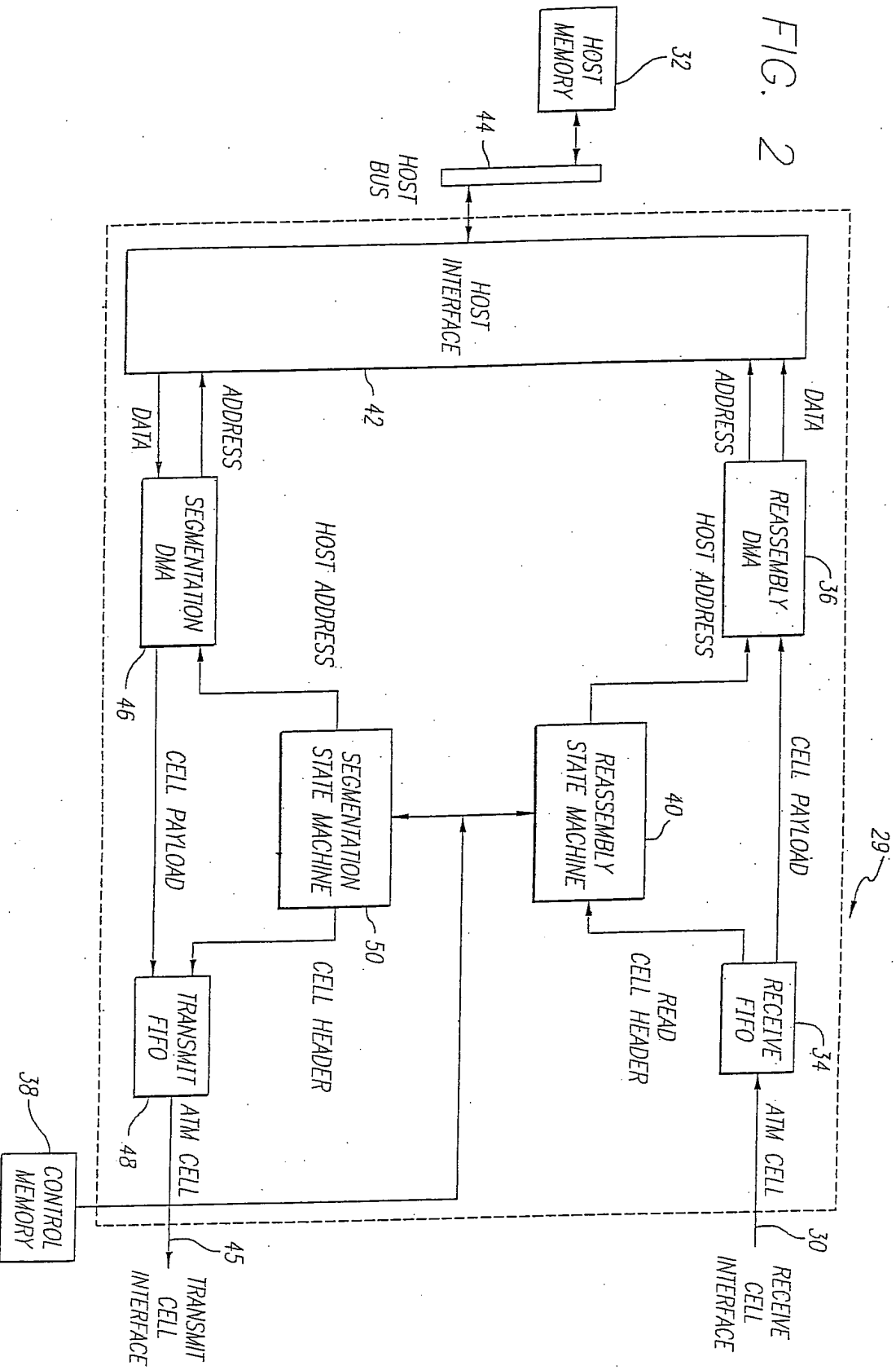


FIG. 2



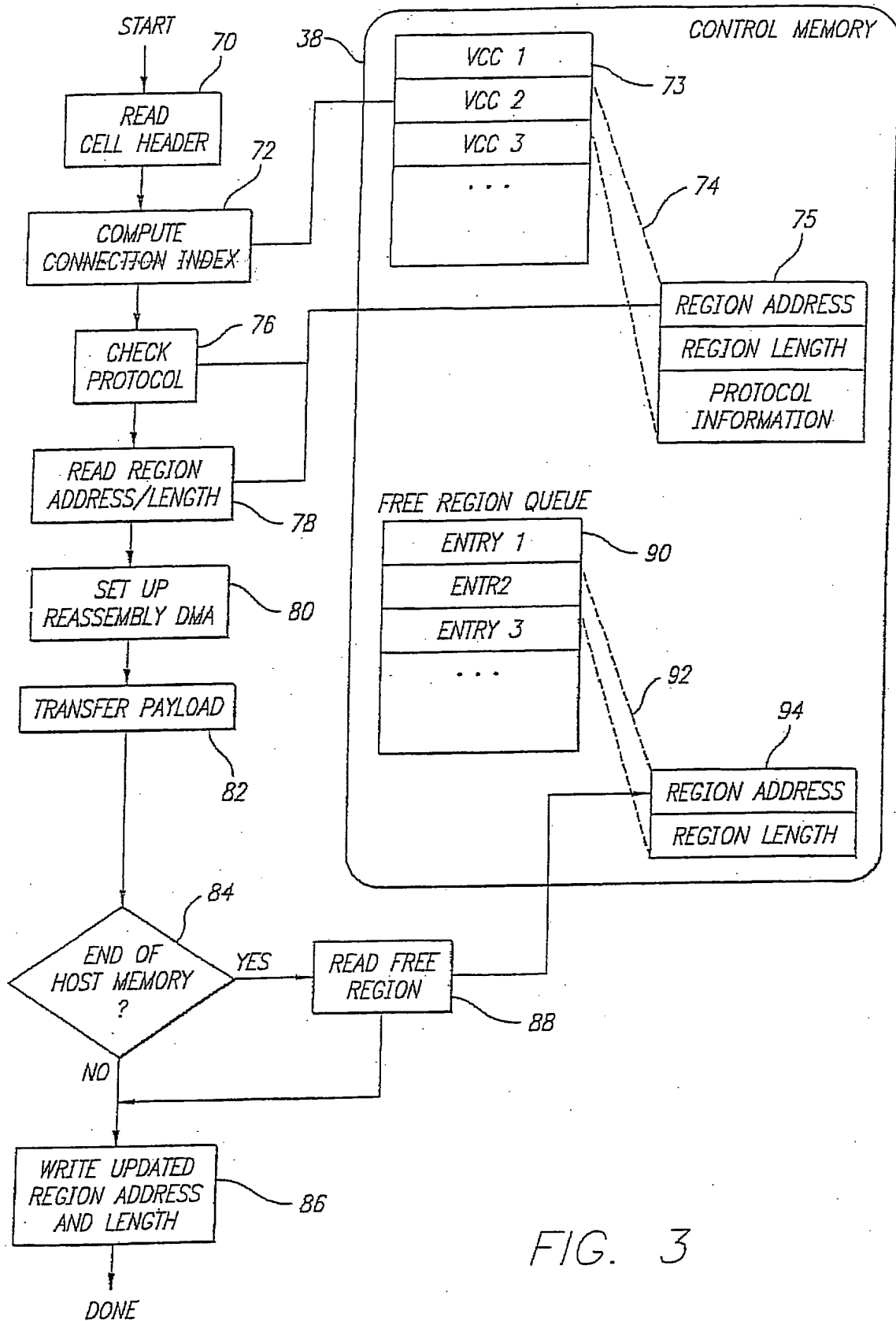
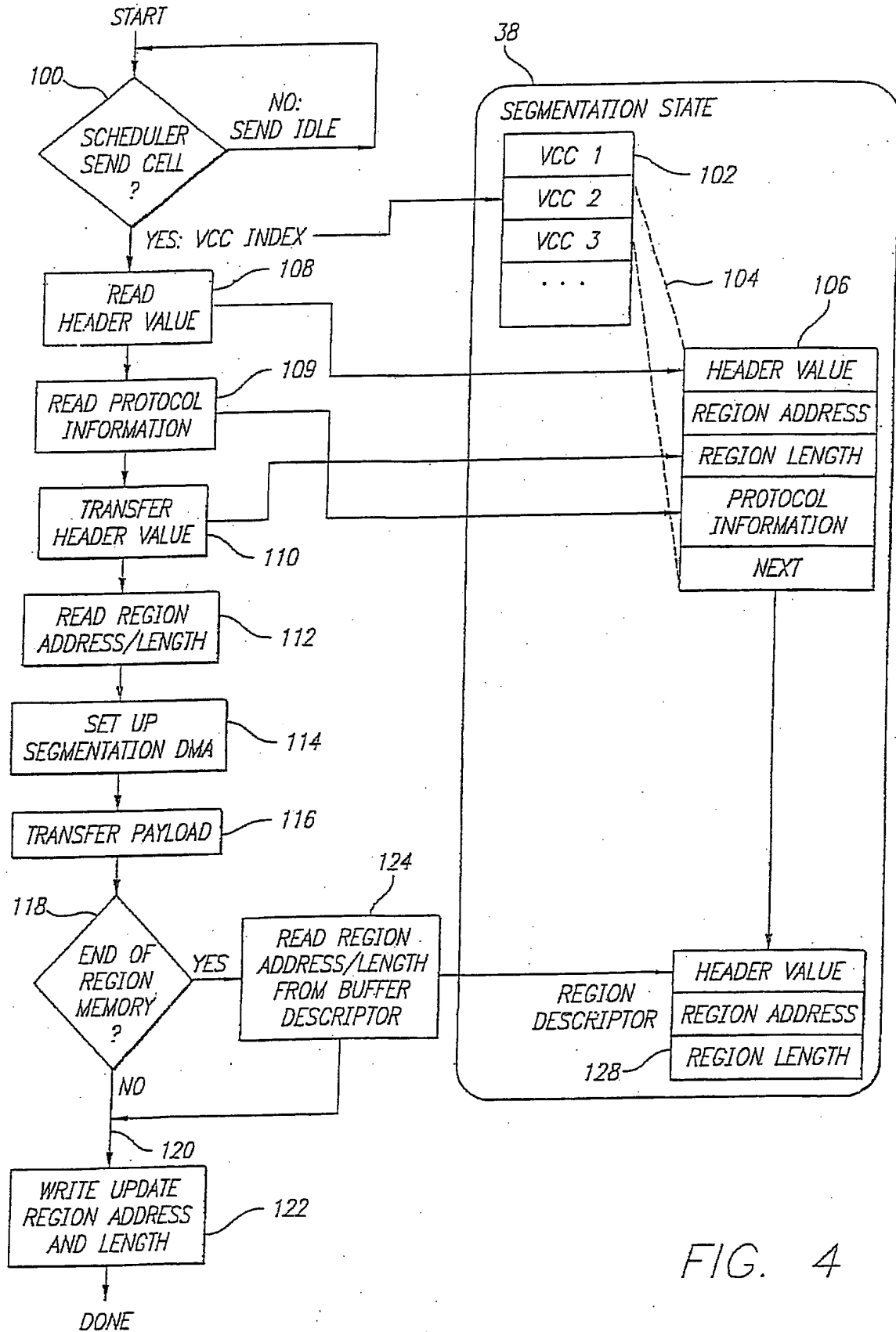


FIG. 3



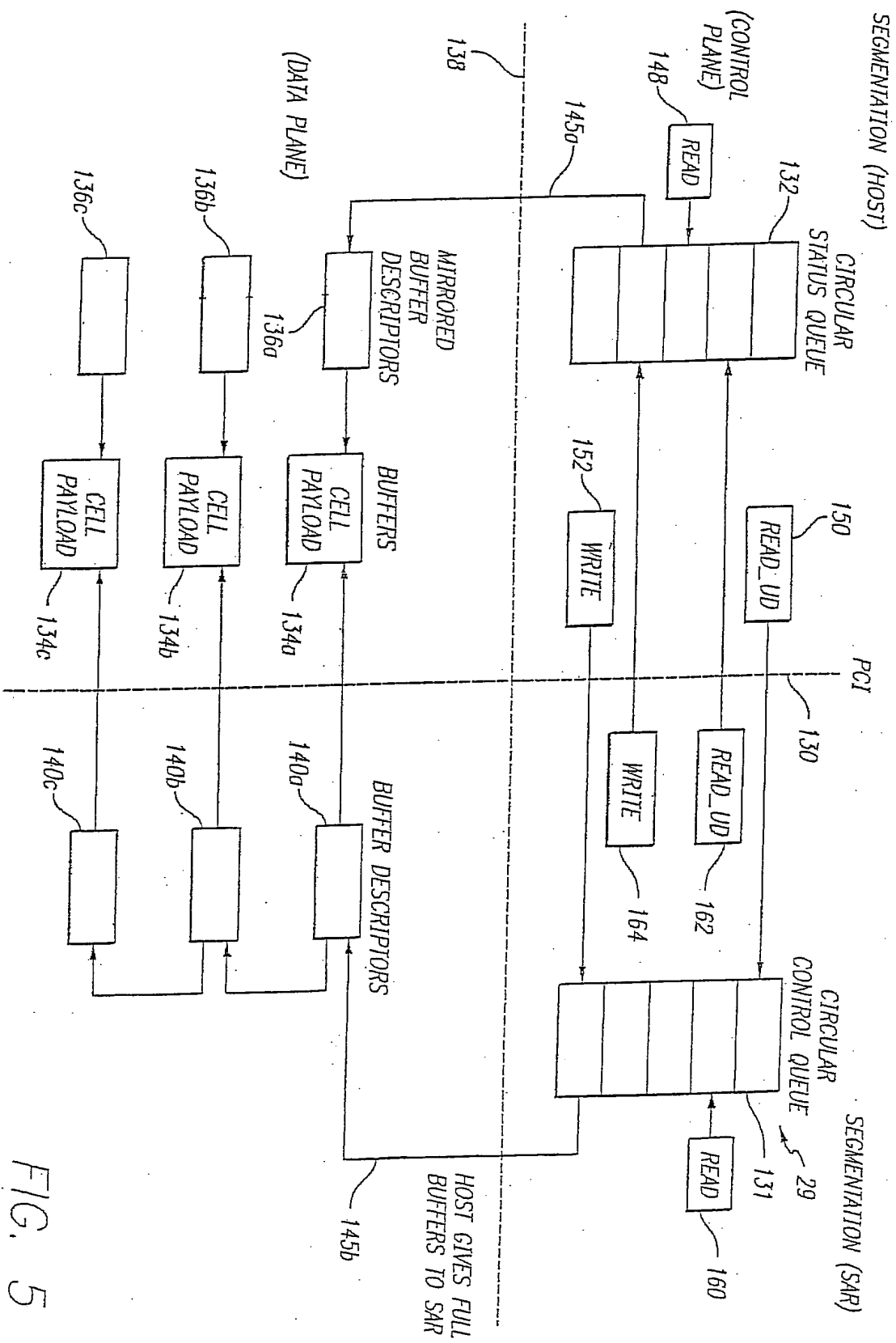


FIG. 5

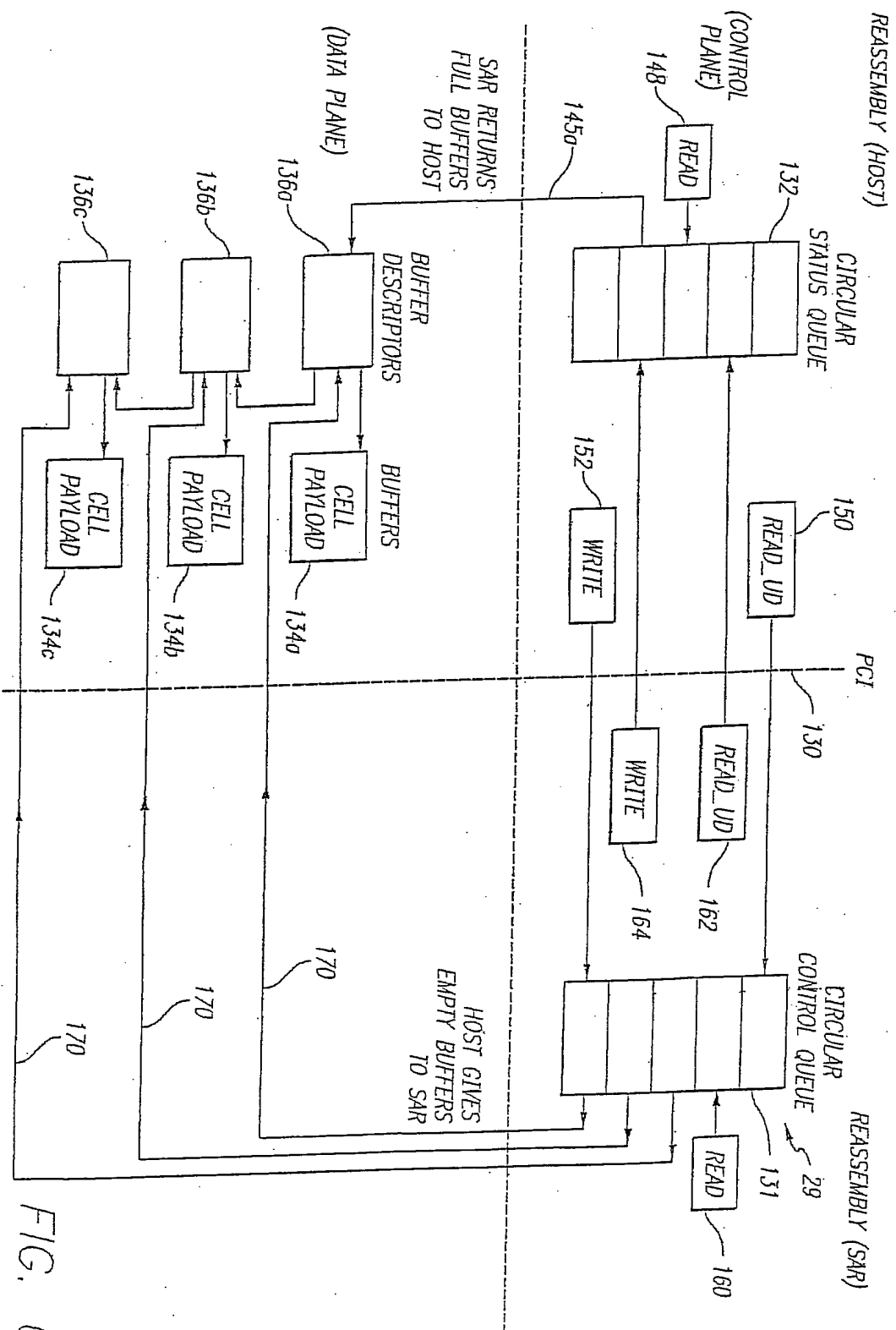


FIG. 6

FIG. 7

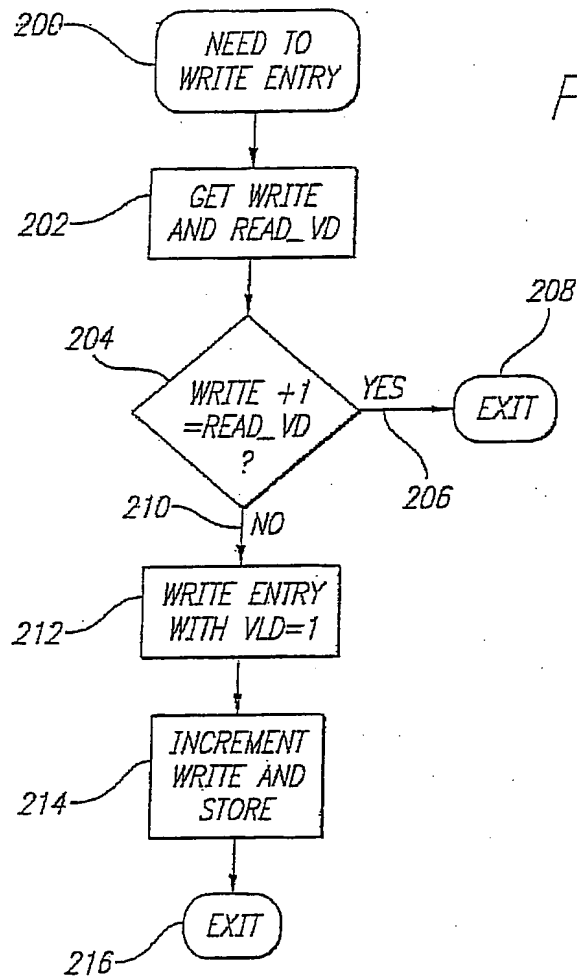
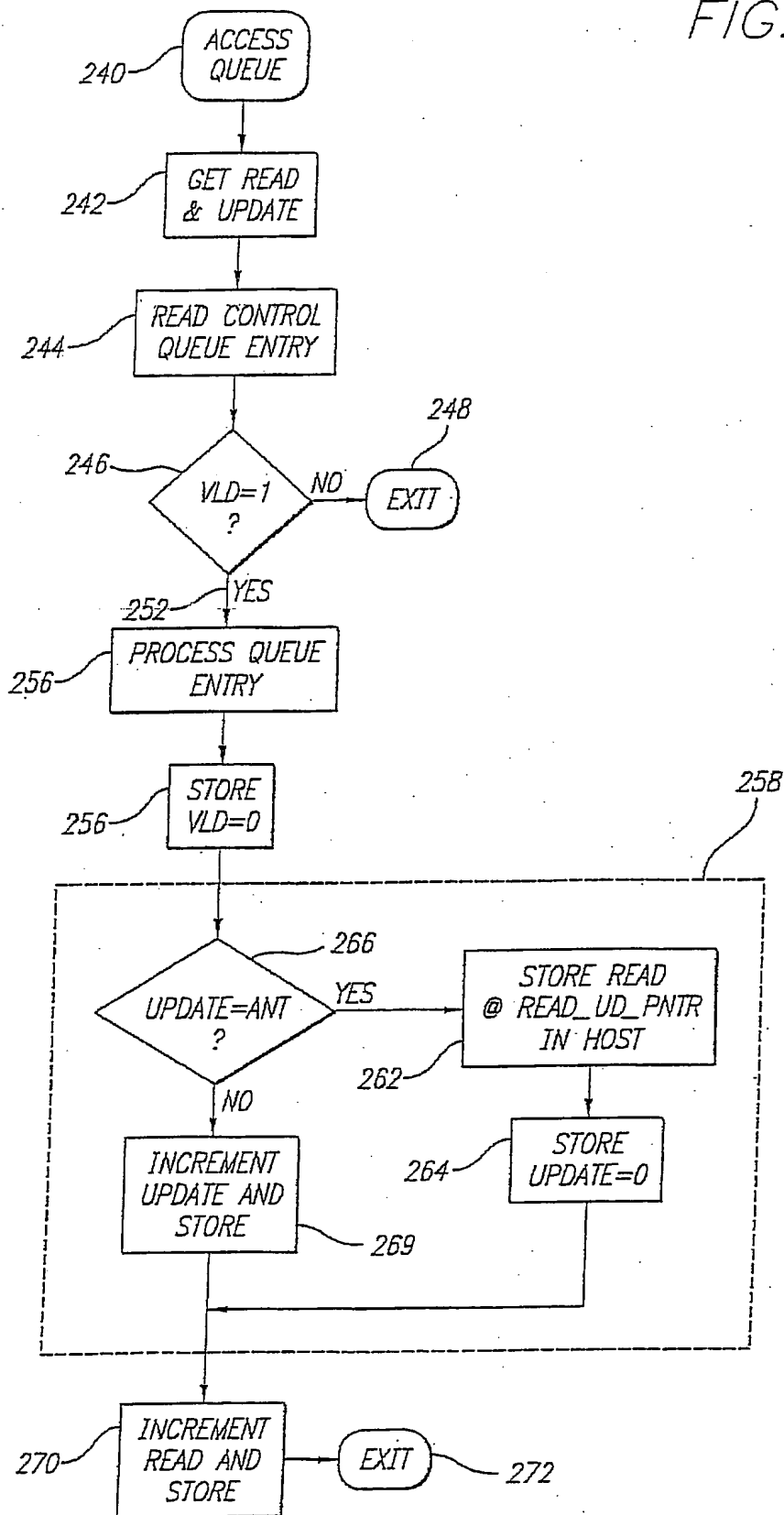


FIG. 8



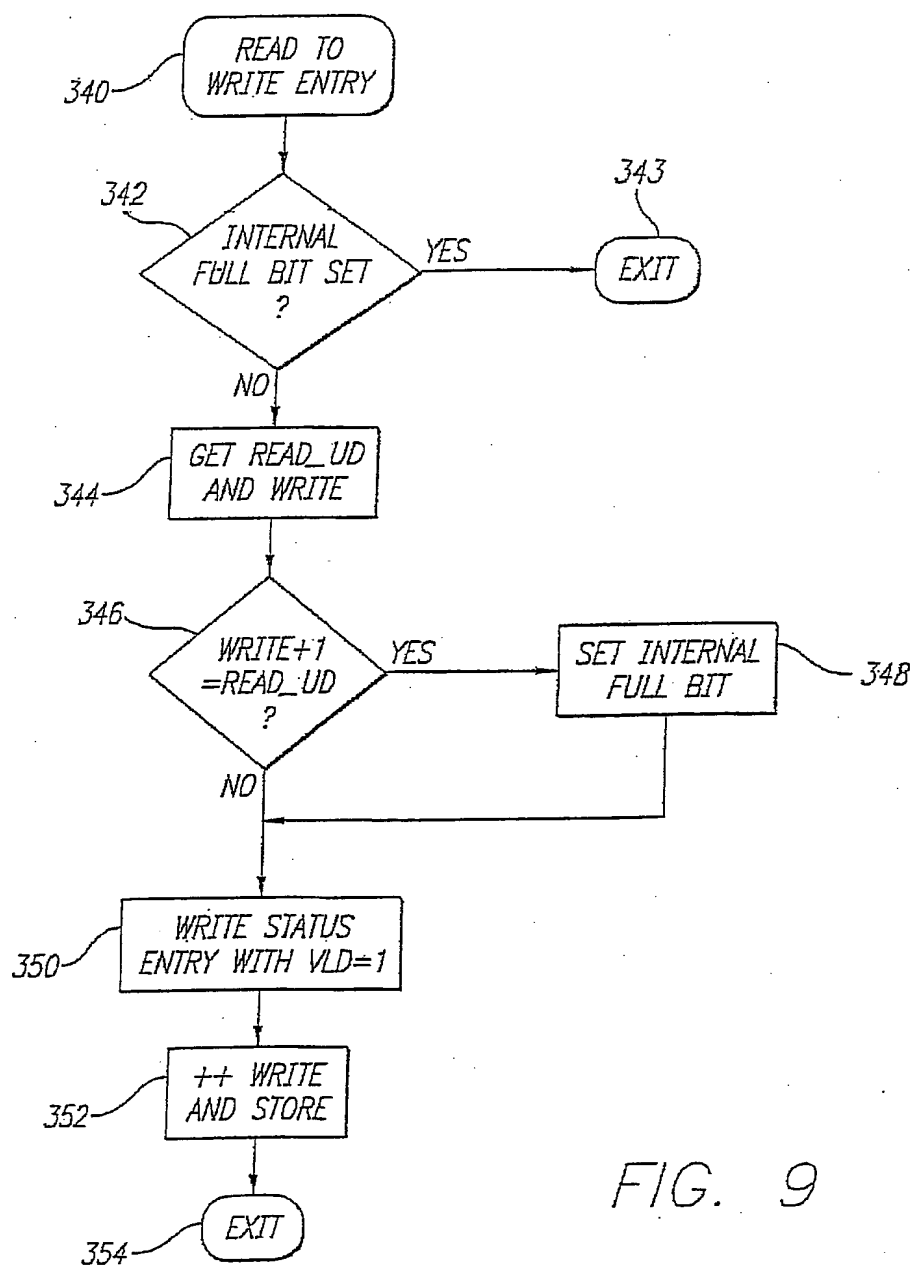


FIG. 9

FIG. 10

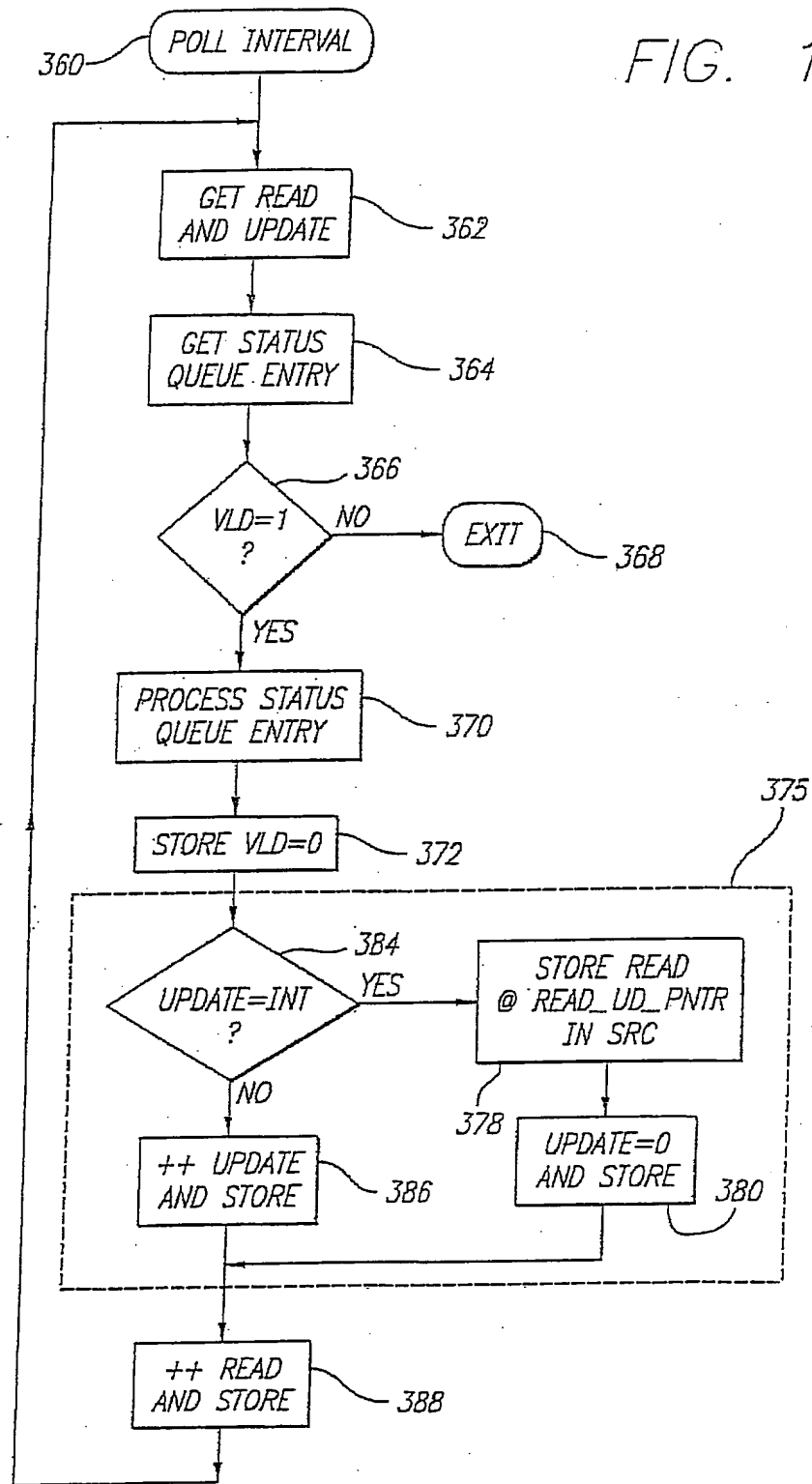


FIG. 11

WRITE-ONLY CONTROL QUEUE VARIABLES

| VARIABLE | DEFINITION | LOCATION |
|--------------|--------------------------------------------------------------------|----------------|
| WRITE | CURRENT HOST POSITION IN CONTROL QUEUE | HOST VARIABLE |
| READ UD | LAST KNOWN SAR POSITION IN CONTROL QUEUE AS SEEN BY HOST | HOST VARIABLE |
| READ | CURRENT SAR POSITION IN CONTROL QUEUE | SAR BASE TABLE |
| INTERVAL | NUMBER OF QUEUE ENTRIES PROCESSED BY SAR BEFORE WRITING READ UD | SAR REGISTER |
| UPDATE | NUMBER OF QUEUE ENTRIES SINCE LAST WRITE OF READ UD FROM HOST | SAR BASE TABLE |
| READ UD PNTR | SAR POINTER TO READ UD | SAR BASE TABLE |

FIG. 12

WRITE-ONLY STATUS QUEUE VARIABLES

| VARIABLE | DEFINITION | LOCATION |
|--------------|---------------------------------------------------------------------|----------------|
| WRITE | CURRENT SAR POSITION IN STATUS QUEUE | SAR BASE TABLE |
| READ UD | HOST KNOWN HOST POSITION IN STATUS QUEUE AS SEEN BY SAR | SAR BASE TABLE |
| READ | CURRENT HOST POSITION IN STATUS QUEUE | HOST VARIABLE |
| INTERVAL | NUMBER OF QUEUE ENTRIES PROCESSED BY HOST BEFORE WRITING READ UD | HOST VARIABLE |
| UPDATE | NUMBER OF QUEUE ENTRIES SINCE LAST WRITE OF READ UD | HOST VARIABLE |
| READ UD PNTR | HOST POINTER TO READ UD | HOST VARIABLE |